

## Tennessee Pollution Prevention Partnership Success Story

**VOLVO  
PENTA**

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### Hazardous Waste Source Reduction

#### The Member

Volvo Penta offers complete drive systems and service for leisure boats, workboats and industrial applications. By supplying technologically superior products focused on performance, operational reliability and environmental characteristics, Volvo Penta has developed a global leadership and one of the industry's strongest brands. Better performance or better environment? Volvo Penta customers don't have to choose. They get both. Because our new engines are not only faster, stronger and more efficient than ever before, they're also better for the environment. It's the way we work. We invest large sums every year in new technology that boosts the performance of our products – while also reducing the impact on the environment. Environmental care in all operations is an integral part of Volvo Penta's commitment to customers and end users, employees and the community. Therefore, all functions are certified to ISO 14001.

#### The Story

Volvo Penta Marine Products produces stern drives systems for the marine industry worldwide. Due to our units being subjected to a corrosive environment, we must use a protective coating containing chromate. The chromate is disposed of using our Waste Water Treatment System. Our water treatment facility is designed to reduce the level of chromate to eliminate environment impacts. Waste from the water treatment facility is generated using a filter press that compresses water contaminants into a solid. The solid waste from this procedure is discarded as a hazardous material due to the chromate that

is captured in this process. We recently introduced a new drag finishing system for our drive units. This new system significantly increased our waste production in our water treatment facility due to the vast amount of sludge being produced. Since the waste being generated from the new drag finishing system contained no hazardous material, we decided to use a separate filter press to capture the non-hazardous sludge.



#### The Success

In January of 2011 we introduced a new filter press that greatly reduced our production of hazardous waste. We reduced our hazardous waste production by 78%, producing an average of only 11,303 pounds per month versus 51,650 pounds per month before the change.

#### The Pollution Prevented

The project eliminated 484,000 pounds of hazardous material from being generated each year.

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